

**North Fork Pork, LLC**  
**Recommended Application Rates**

					<u>N rate</u>	<u>P rate</u>
<u>Crop</u>	<u>Yield</u>	<u>Crop Rotation</u>	<u>Application Method</u>	<u>Manure Source</u>	<u>Gallons/Acre</u>	<u>Gallons/Acre</u>
Corn	170	Following Corn or Wheat	Inject	Deep Pit	11,700	9,250
Corn	180				12,400	9,800
Corn	170	Following Soybeans			9,400	9,250
Corn	180				10,100	9,800
Soybeans	45	Following Corn or Wheat			- -	4,840
Soybeans	55				- -	5,920
Wheat	80	Following Soybeans			2,300	9,110
Wheat	90				2,900	10,250

*These recommended rates are based on the stated yields and crops, and assumes fields have NO recent manure applications (no N credits from manure application). These are estimates only, and can be used as guides when climate or other factors exist that require deviations from planned manure applications. Previous applications would require that these application rates be decreased from present estimates.*

*Also, these recommendations are based on actual manure analysis. ACTUAL facility analysis is needs to be updated as the last analysis taken was 2005, Although these analysis are older they should be more representative of this facility than simply using book values.*

*N available 1st year = (Am-N \* App Method Efficiency) + (OrgN \* .35)*

*Previous manure applications should be given N credits =*

*(App rate (in 1,000 gal) \* Org N (per 1,000 gal) \* Mineralization Factor) / 2*

*Mineralization Factors: Year 1= .35, Year 2 = .175, Year 3 = .0875, Year 4 = 0.04*

*Efficiency of Application = Liquid, Broadcast = 0.80, Solid, Broadcast = 0.75, Aerway = 0.90, Liquid Inject = 0.98*